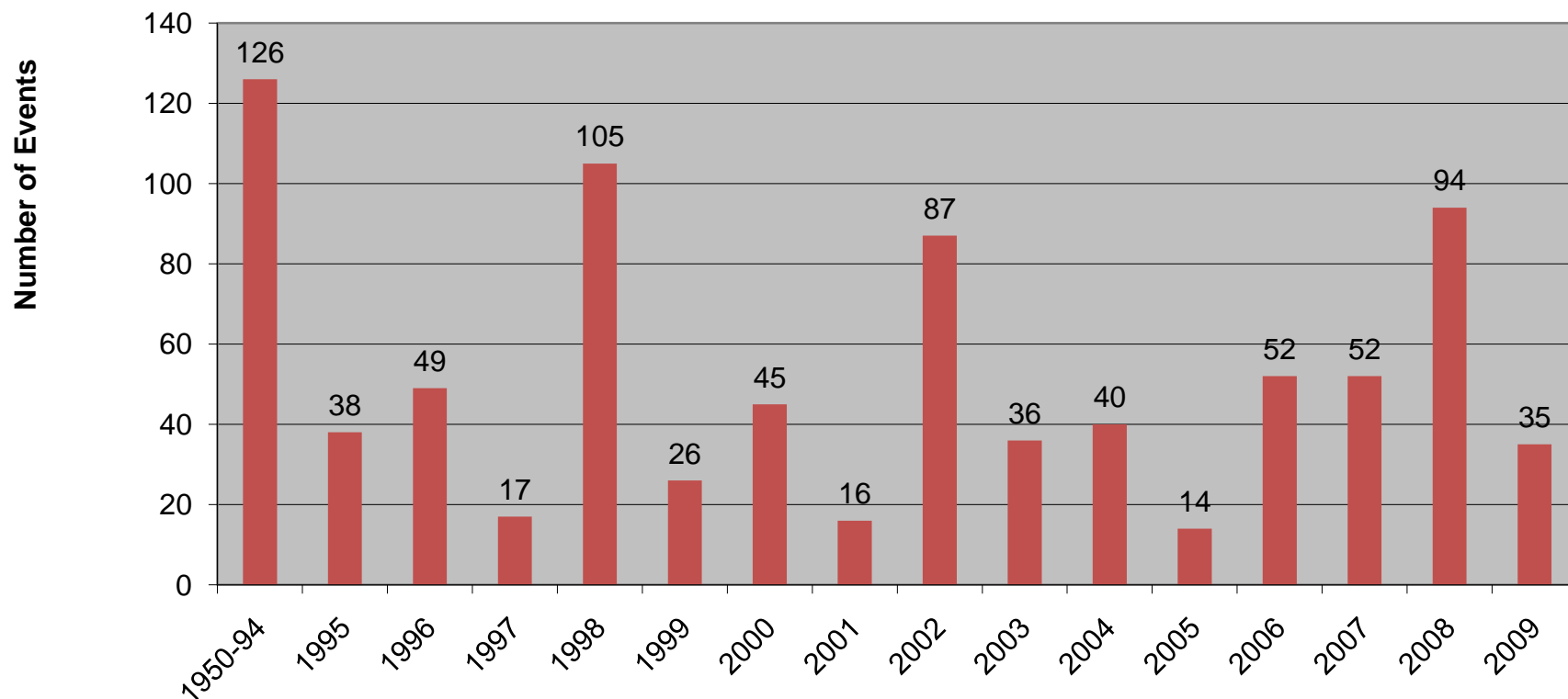


**SEVERE HAIL (≥ 1 inch)
CLIMATOLOGY
FOR THE BLACKSBURG, VA WFO
COUNTY WARNING AREA**

**Robert Stonefield
National Weather Service Forecast Office
Blacksburg, Virginia**

Severe Hail by Month (≥ 1 inch)

1950-2009

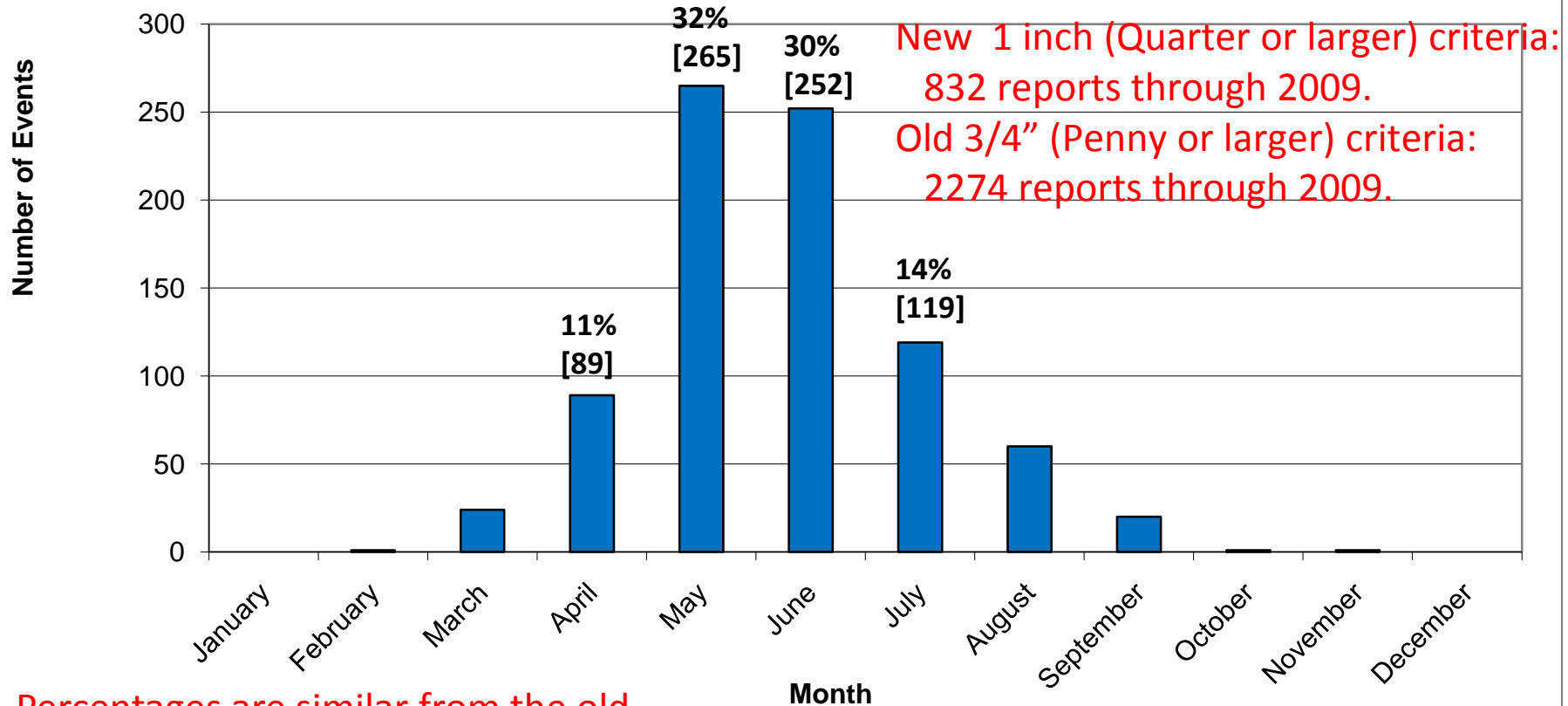


1950-1994
44 Years
126 Reports

Year

1995-2009
14 Years
706 Reports

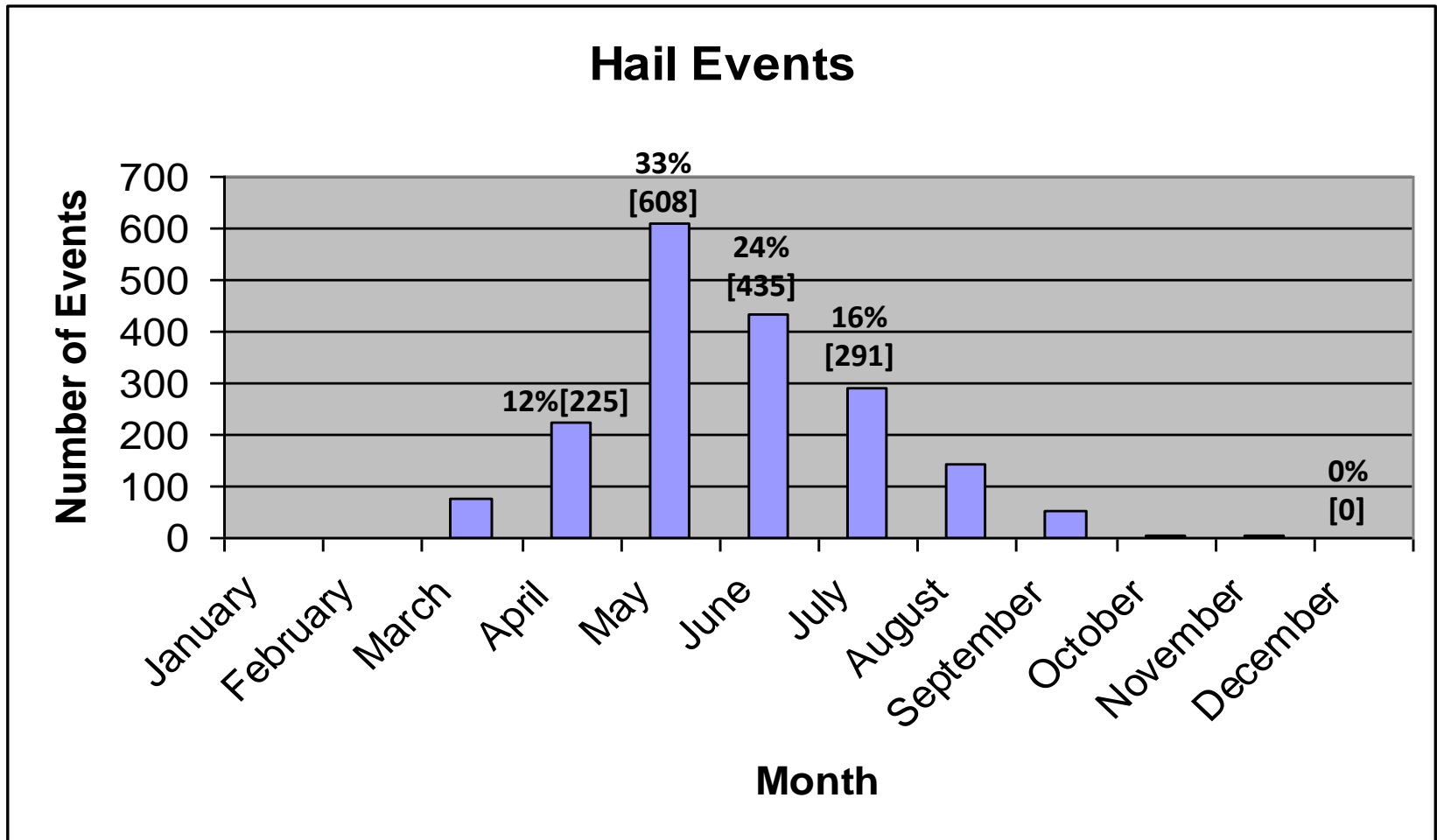
New Severe Hail by Month (≥ 1 inch) 1950-2009



Percentages are similar from the old Penny to the new Quarter criteria.

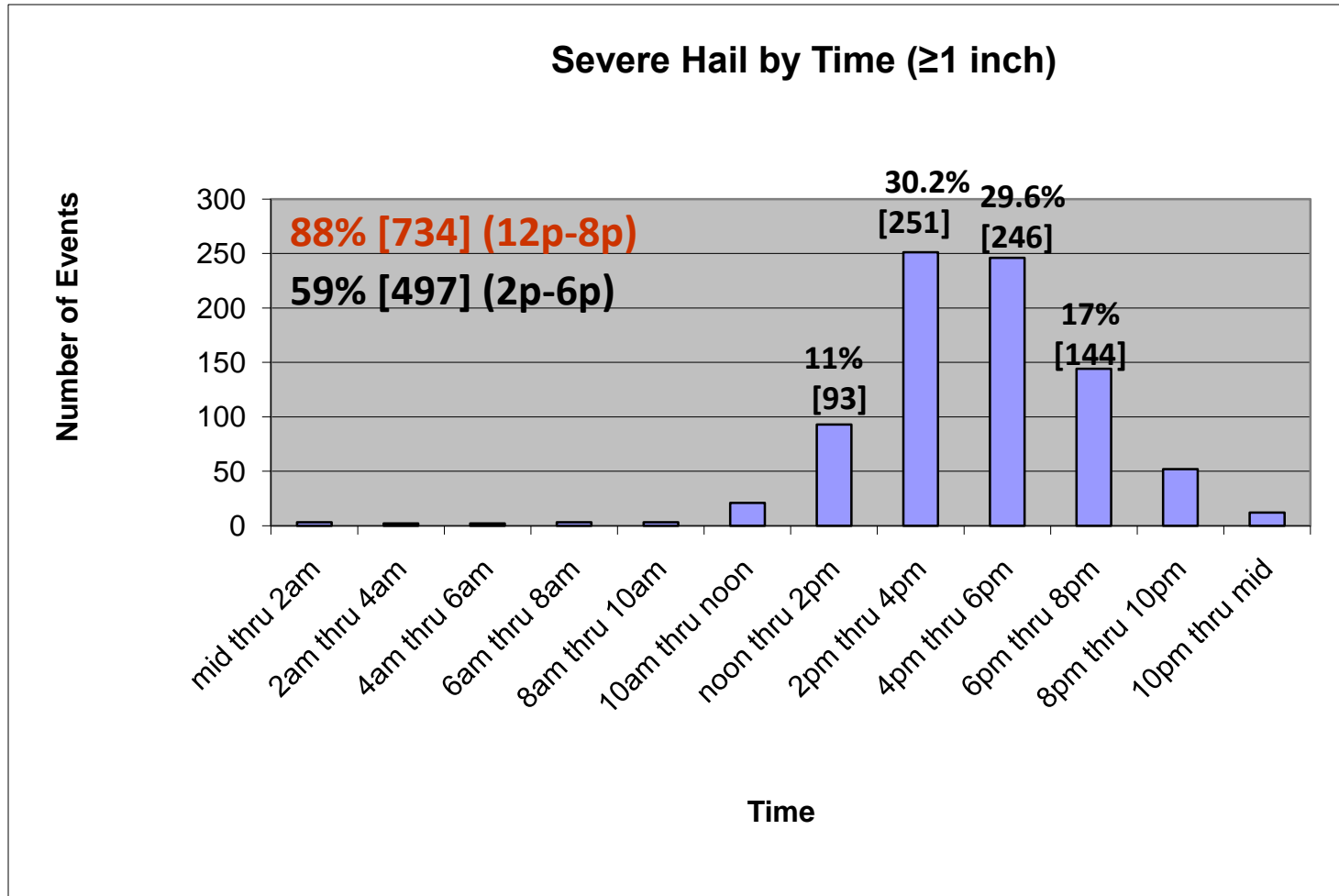
-Exception is June from 24% to 30%.

Old Severe Hail by Month (Penny) 1950-2007



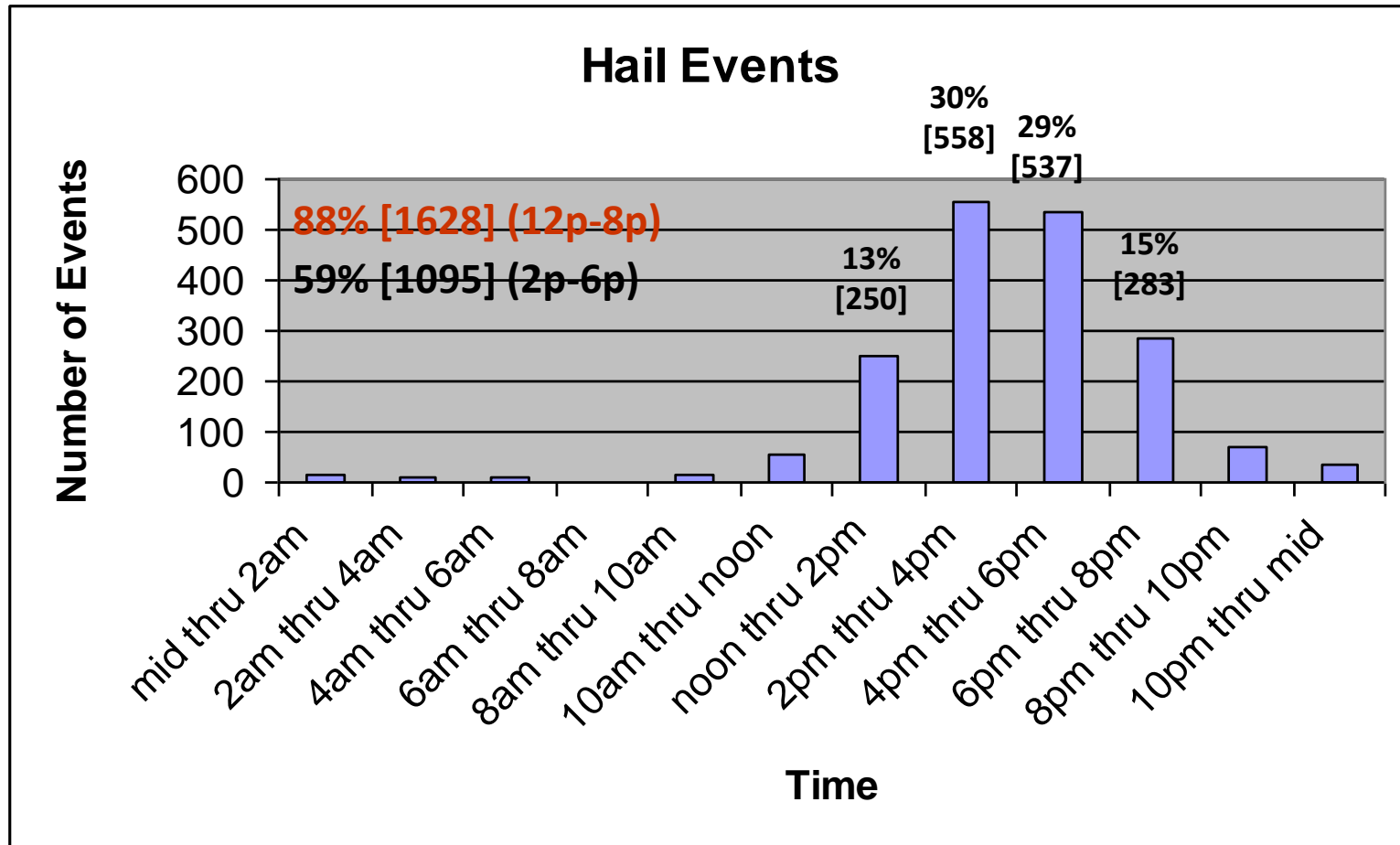
41% [1845] of all severe weather events [4527] is Severe Hail.

New Severe Hail by Time (Quarter) 1950-2009



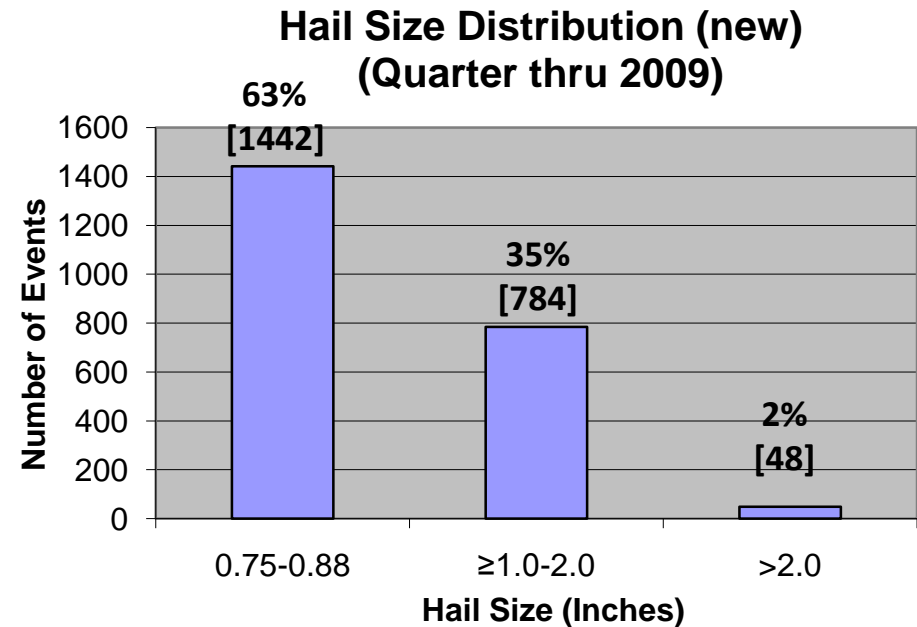
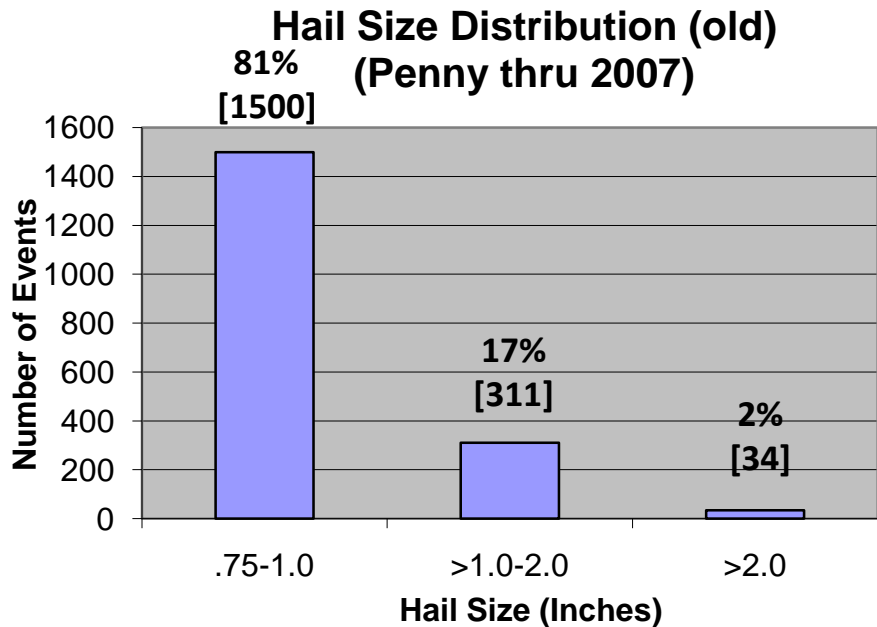
832 Severe Hail Events

Old Severe Hail by Time (Penny) 1950-2007

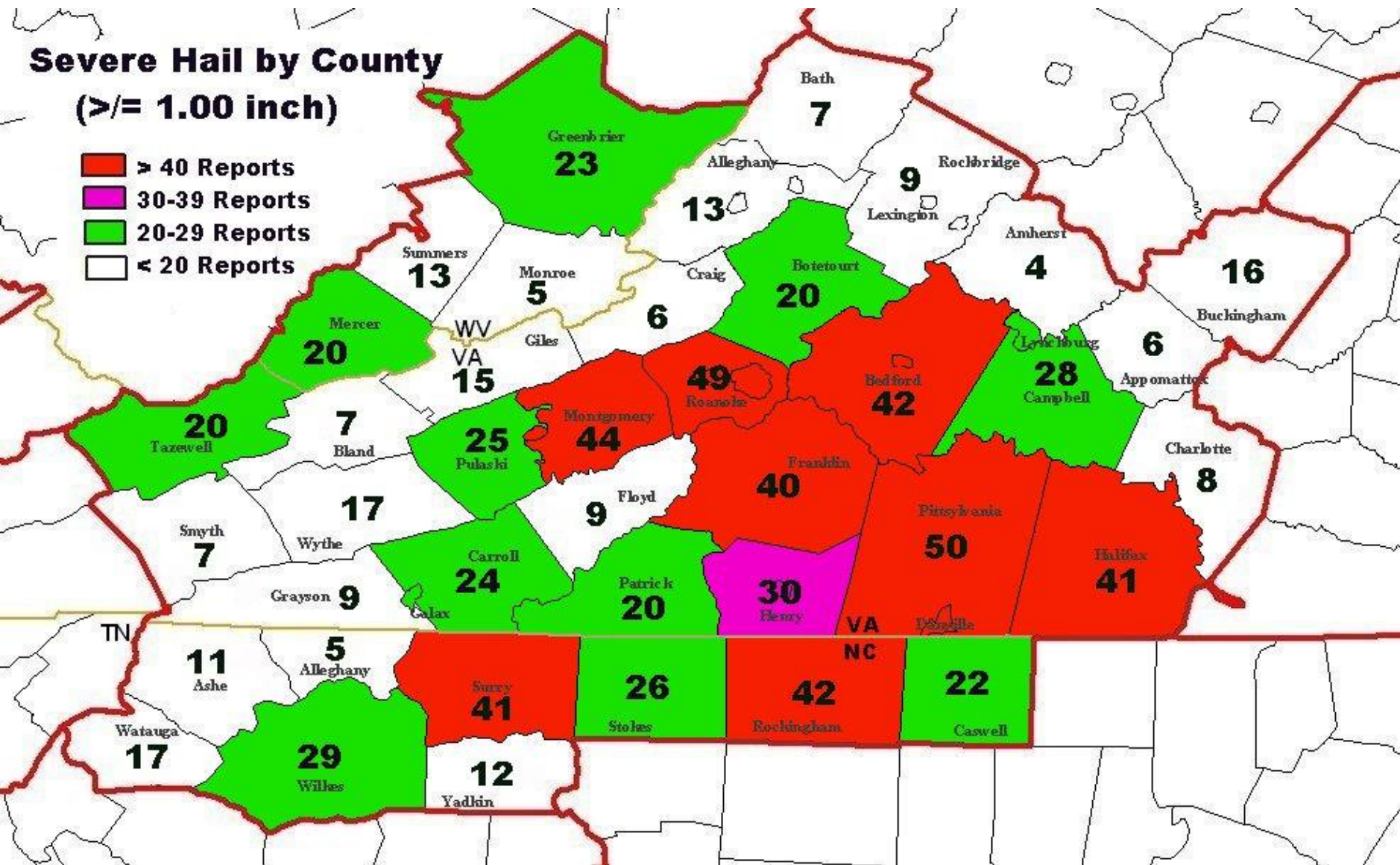


1845 Severe Hail Events

Severe Hail by Magnitude



New Severe Hail by County



Majority of reports are from larger/independent cities

Interesting findings with new severe hail criteria

- Peak for Severe Hail (≥ 1 inch) is May through early June.
- From 1950-2009, there have been 6 widespread events of large hail:
 - May 5, 1996 (32 reports)
 - May 2, 2002 (36 reports)
 - May 22-26, 2004 (29 reports)
 - June, 2-3, 1998 (34 reports)
 - June 15-16, 1998 (26 reports)
 - June 22, 2008 (34 reports)
- All counties have reported quarter or larger hail.
- Largest Hail size reported in CWA:
 - Boone, NC (2 June 1998) 4.0 inches...\$350K in damages.